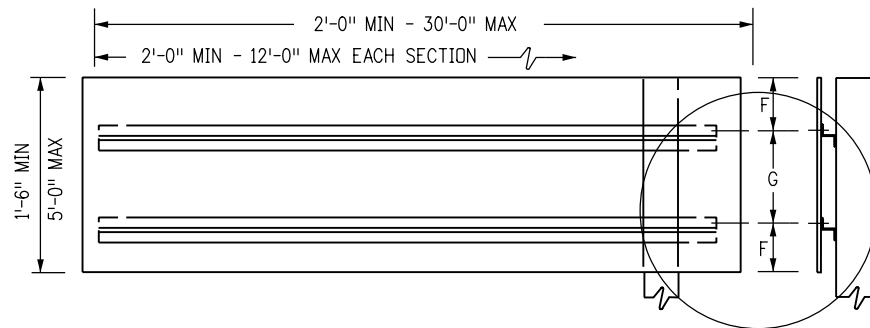


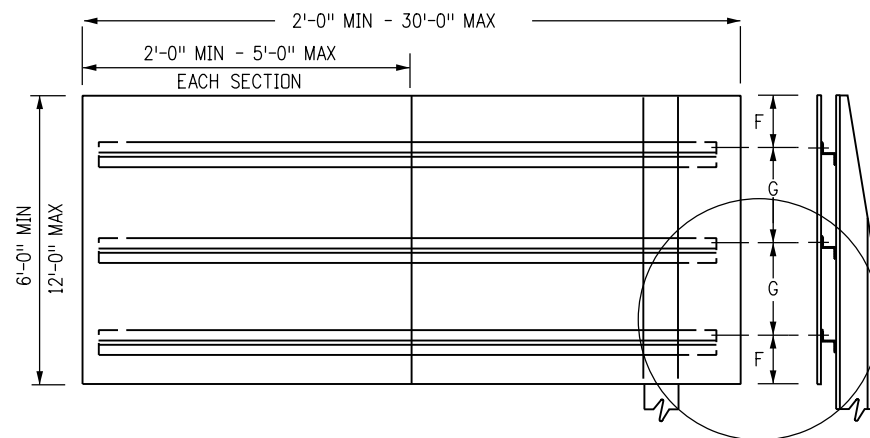
Horizontal Sections



SECTIONS REQUIRED	
WIDTH	*SECTIONS
2'-0" TO 12'-0"	1
12'-6" TO 24'-0"	2
24'-6" TO 30'-0"	3

*NUMBER OF SECTIONS SHALL NOT EXCEED MAXIMUM SHOWN IN TABLE
SEE TYPICAL DETAIL ON SHEET 2

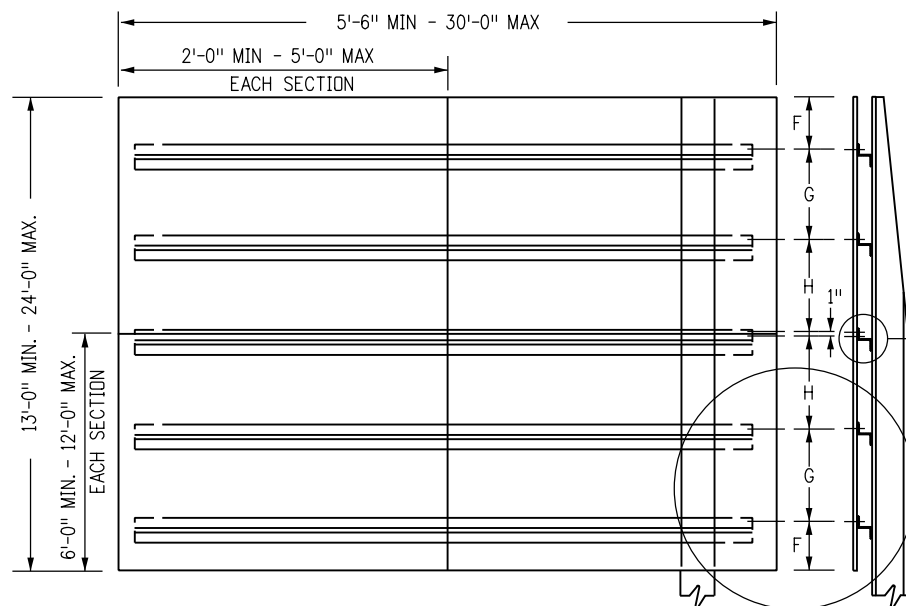
Vertical Sections



SECTIONS REQUIRED	
WIDTH	*SECTIONS
2'-0" TO 5'-0"	1
5'-6" TO 10'-0"	2-3
10'-6" TO 15'-0"	3-4
15'-6" TO 20'-0"	4-5
20'-6" TO 25'-0"	5-7
25'-6" TO 30'-0"	6-8

*NUMBER OF SECTIONS SHALL NOT EXCEED MAXIMUM SHOWN IN TABLE
SEE TYPICAL DETAIL ON SHEET 2

Multi-Vertical Sections

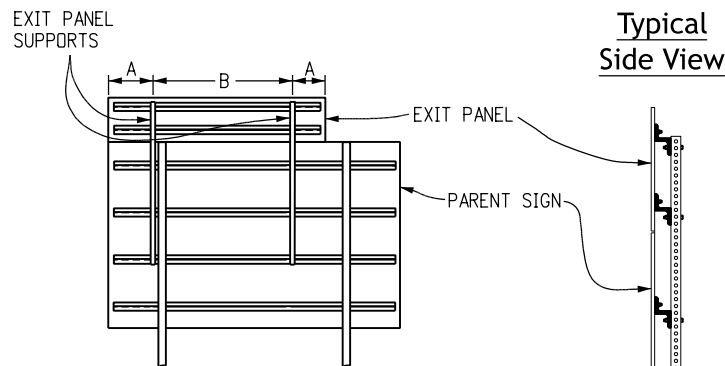


SECTIONS REQUIRED	
WIDTH	*SECTIONS
5'-6" TO 10'-0"	4-6
10'-6" TO 15'-0"	6-8
15'-6" TO 20'-0"	8-10
20'-6" TO 25'-0"	10-14
25'-6" TO 30'-0"	12-16

*NUMBER OF SECTIONS SHALL NOT EXCEED MAXIMUM SHOWN IN TABLE
SEE TYPICAL SEAM CLOSURE DETAIL ON SHEET 2

SEE TYPICAL DETAIL ON SHEET 2

Typical Panel Elevations



Typical Side View

SUPPORT SPACING TABLE		
EXIT PANEL WIDTH	OVERHANG "A"	SPACING "B"
7'	1'-0"	5'
8'	1'-6"	5'
9'	2'-0"	5'
10'	2'-6"	5'
11'	2'-6"	6'
12'	2'-6"	7'

Typical Exit Panel Installation For Ground Signs

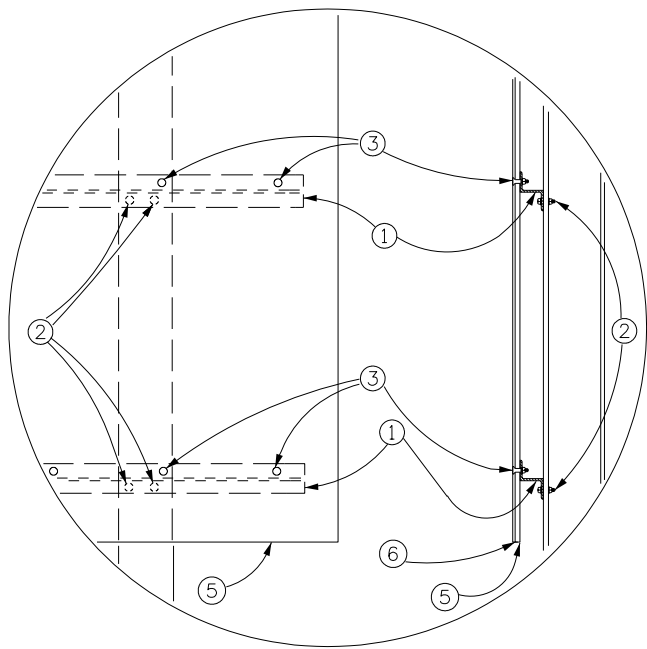
GENERAL NOTES

- Timber sign posts may only be used for temporary signage during construction. Tubular steel shall be used for permanent installation.
- Class III sign panels are those where a single panel requires 3 or more backing zeos and are 72 inches or more in height. Ground mount and overhead exit sign panel assemblies shall be Class III. Class iii sign panels shall be 0.125 inch minimum thickness sheet aluminum.
- See the applicable standards for sign placement, footing details and post spacing tables.
- A 3/8-inch 90-degree countersunk huckbolt and collar shall be used to fasten the sign panel to the backing zee. A hex-head bolt with nut and washers shall be used to fasten the backing zee to a timber post or to a steel post.
- A flat washer shall be placed between the bolt head and the post flange. A lock washer shall be placed under the nut on a steel post or a backing zee. A 1-1/2 inch diameter washer shall be placed under the bolt head on a timber post.
- All exposed sign panel section joints, except the multi-vertical sections horizontal seam, shall be covered on the backside of the sign panel with an aluminum closure strip. Closure strips shall be riveted or taped. See fabrication notes.
- Sections illustrated based on utilizing 12-foot x 5-foot stock. 4-foot wide stock may be used with appropriate adjustment in number of sections.
- All signs shall be fabricated using retroreflective sheeting conforming to ASTM D4956. The type shall be as described in the standard specifications and/or as shown on the plans.
- For the design of posts and footings design, see 'Class III Sign Post and Footing Calculation' spreadsheet on CDOT website.

EXIT PANEL NOTES

- The exit panel shall be mounted with two supports. Right hand exits require the edge of the exit panel to be mounted even with the right edge of the parent sign. Left hand exits require the left edge of the exit panel to be mounted even with the left edge of the parent sign.
- The supports shall be square steel tubing a minimum width of 2-1/4 inch with 7/16 inch holes punched or drilled on 1-inch centers along the length of each side while maintaining a minimum section modulus of 0.499 cubic inches. The steel must have a minimum yield stress of 33 ksi. Alternately, zee bar may used for the support members with 7/8 inch holes punched where needed.
- The supports shall be fastened to the backing zee using 3/8-inch bolts.
- The exit panel support may be moved 6-inches if it conflicts with the parent sign support.
- Exit panel mounting will be paid for as part of the class iii sign panel.
- Exit panel supports shall be attached to a minimum of three backing zeos.

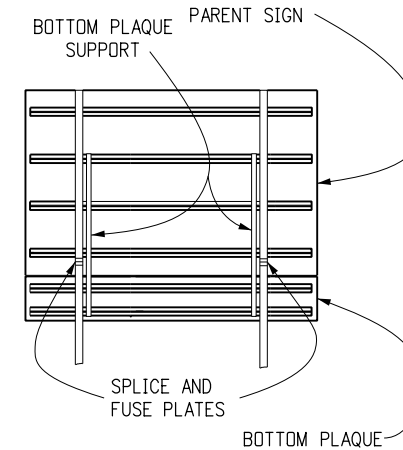
Computer File Information			Sheet Revisions		Colorado Department of Transportation Traffic Safety & Engineering Services 2829 West Howard Place Denver, CO 80204 EB	Class III Signs	Standard Plan No.	
Creation Date: 07/04/12			Date:	Comments			S-614-4	
Created By: KCM							Standard Sheet No. 1 of 3	
Last Modification Date: 07/01/26							Issued by the Traffic Safety & Engineering Services: July 01, 2026	Project Sheet Number:
Last Modified By: YSP								
CAD Ver.: ORD 10.12 Scale: Not to Scale Units: English								



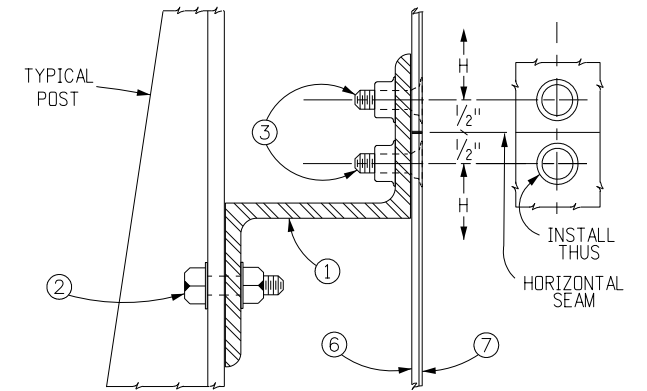
Typical
Elevation
Detail

Fabrication Notes

- ① Backing zee. see "zee spacing table" on sheet 3. aluminum alloy 6061-t6. each zee to be provided with a 9/16 inch x 2 inch horizontal slot for each post mounting bolt.
- ② 3/8-inch hex-head bolt with nut and washers; 2 per backing zee per post required. washers on post shall be 1-1/2 inch diameter.
- ③ 3/8 inch (number 6) 90 degree countersunk huckbolt with collar.
- ④ 2 inch x 0.025 inch aluminum closure strip riveted above the top zee and below the bottom zee or aluminum closure strips attached above, between, and below the zeers with a very high bond (VHB) double acrylic foam tape, or approved equivalent. Manufacturer's recommendations shall be adhered to for this application.
- ⑤ Sheet aluminum: 0.125 inch minimum thickness.
- ⑥ Adhesives shall be Class I or Class II adhesives of ASTM D4956.
- ⑦ Backing zeers shall extend to the edge of the panel on 6 feet, 7 feet & 8 feet wide signs.

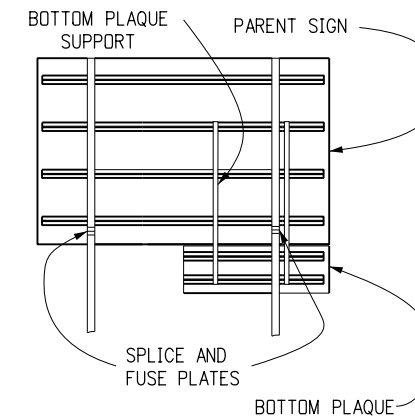


***Typical Bottom Plaque
Installation for Ground Signs
(Full Width Plaque Support)**

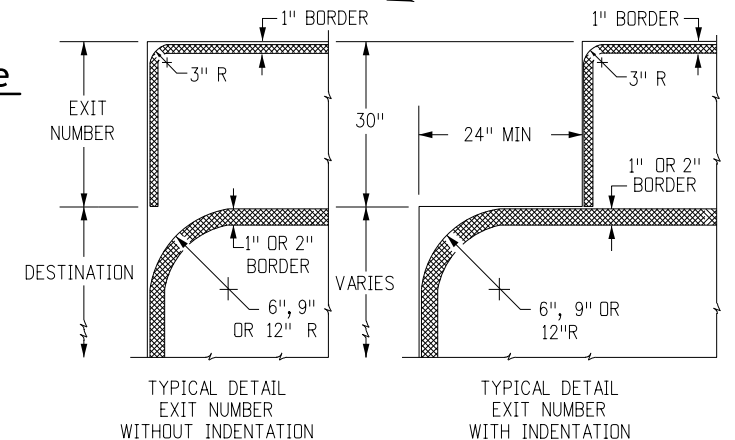
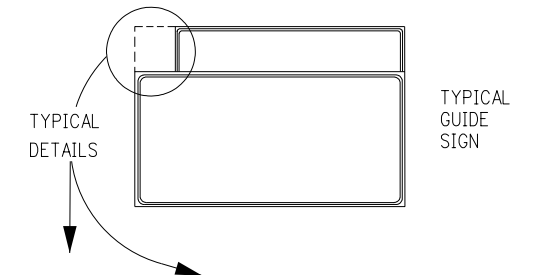


**Typical Detail
Seam Closure Zee**
(Multiple-Vertical Sections, Horizontal Seams)

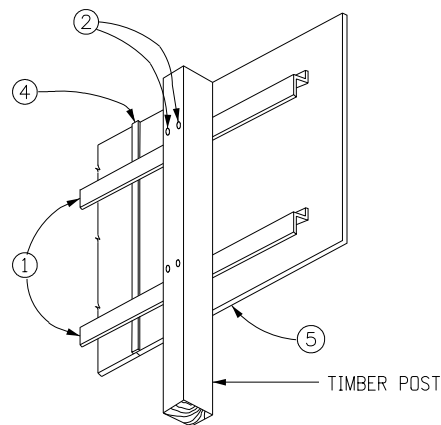
* IN NO CASE SHALL ANY PORTION OF A SIGN PANEL OR PLAQUE BE ATTACHED TO A BREAKAWAY POST BELOW THE FUSE AND SPLICE PLATES.



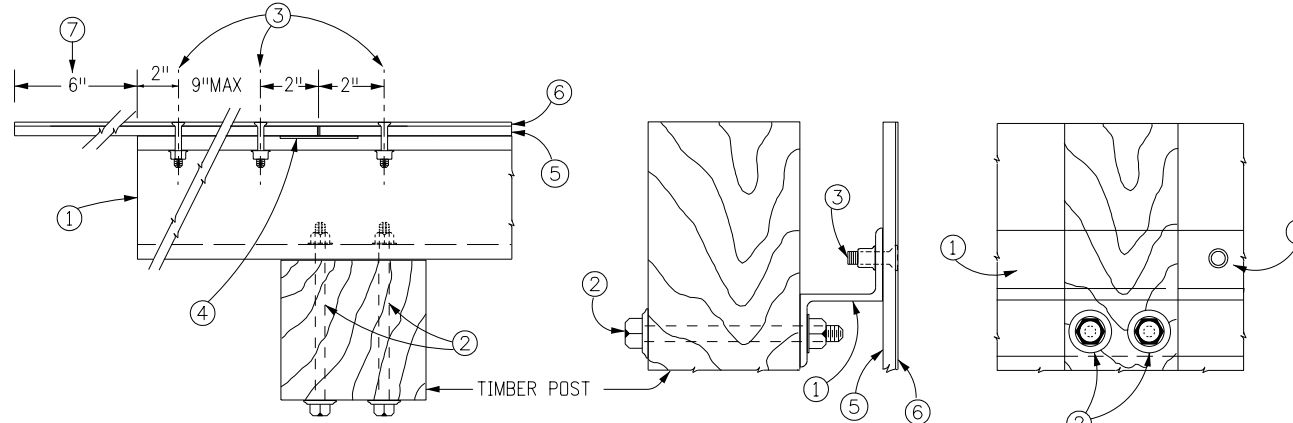
***Typical Bottom Plaque
Installation
for Ground Signs
(Partial Width Plaque Support)**



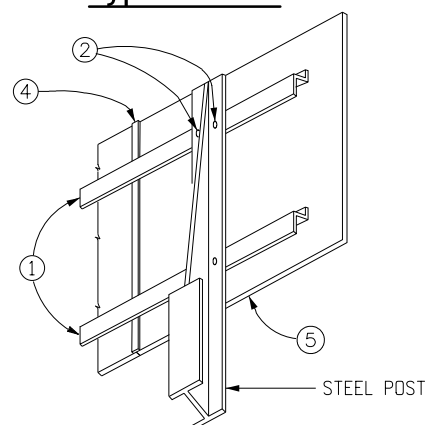
**Typical Border Details
with Exit Number**



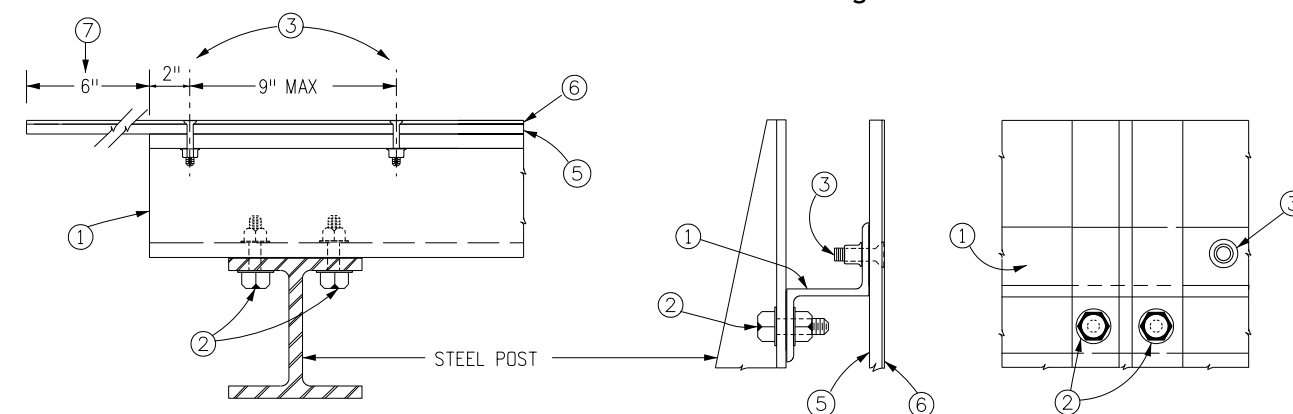
Typical View



**Typical Timber Post Installation
Panel Fabrication and Mounting Details**



Typical View



**Typical Steel Post Installation
Panel Fabrication and Mounting Details**

Computer File Information			Sheet Revisions			Colorado Department of Transportation		Class III Signs	Standard Plan No.	
Creation Date: 07/04/12			Date:	Comments		Traffic Safety & Engineering Services			S-614-4	
Created By: KCM						2829 West Howard Place			Standard Sheet No. 2 of 3	
Last Modification Date: 07/01/26						Denver, CO 80204		Project Sheet Number:		
Last Modified By: YSP					EB		Issued by the Traffic Safety & Engineering Services: July 01, 2026			
CAD Ver.: ORD 10.12 Scale: Not to Scale Units: English										

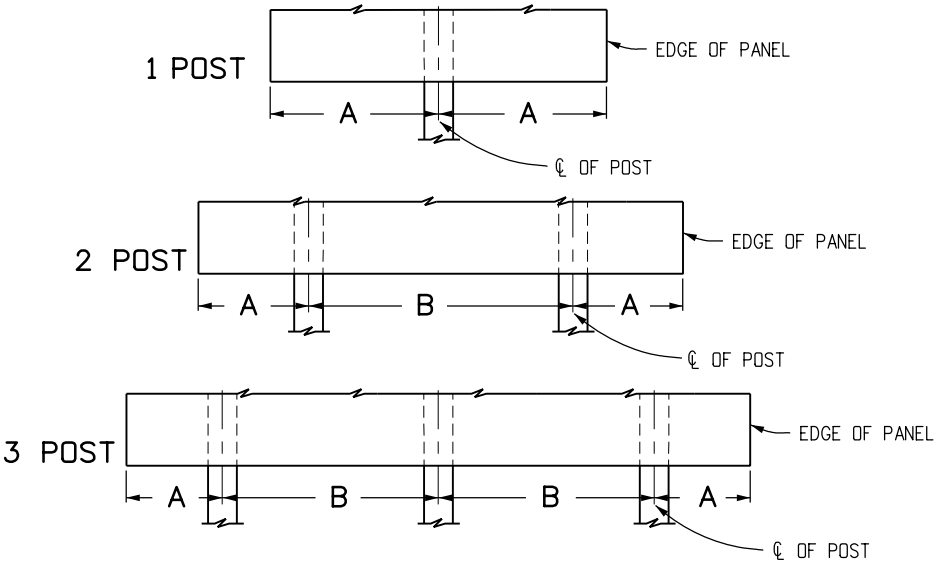
① , ②
① , ②
①

POST SPACING TABLE FOR SHEET ALUMINUM SIGN PANELS			
WIDTH OF SIGN	NO. OF POSTS	OVERHANG "A"	POST SPACING "B"
1'-6"	1	0'-9"	
2'-0"	1	1'-0"	
2'-6"	1	1'-3"	
3'-0"	1	1'-6"	
4'-0"	1	2'-0"	
5'-0"	1	2'-6"	
6'-0"	2	0'-3"	5'-6"
7'-0"	2	0'-3"	6'-6"
8'-0"	2	0'-3"	7'-6"
9'-0"	2	0'-9"	7'-6"
10'-0"	2	1'-3"	7'-6"
11'-0"	2	1'-9"	7'-6"
12'-0"	2	2'-3"	7'-6"
13'-0"	2	2'-6"	8'-0"
14'-0"	2	2'-6"	9'-0"
15'-0"	2	3'-0"	9'-0"
16'-0"	2	3'-3"	9'-6"
17'-0"	2	3'-3"	10'-6"
18'-0"	2	3'-6"	11'-0"
19'-0"	2	3'-9"	11'-6"
20'-0"	2	4'-0"	12'-0"
21'-0"	3	2'-6"	8'-0"
22'-0"	3	3'-0"	8'-0"
23'-0"	3	3'-6"	8'-0"
24'-0"	3	3'-8"	8'-4"
25'-0"	3	4'-0"	8'-6"
26'-0"	3	4'-0"	9'-0"
27'-0"	3	4'-0"	9'-6"
28'-0"	3	4'-0"	10'-0"
29'-0"	3	4'-0"	10'-6"
30'-0"	3	4'-0"	11'-0"

- ① BACKING ZEE SHALL EXTEND TO THE EDGE OF THE PANEL, EXCEPT FOR EXIT PANELS ATTACHED BY SQUARE STEEL TUBING.
- ② 6" X 6" TIMBER POSTS WILL NOT BE USED FOR THESE SIZES OF PANEL.

ZEE SPACING TABLE FOR 3" X 2-11/16 X 2.33 ALUMINUM BACKING ZEES								
SIGN PANEL HEIGHT	NUMBER OF ZEES	OVERHANG "F"	SPACING "G"	SIGN PANEL HEIGHT	NUMBER OF ZEES	OVERHANG "F"	SPACING "G"	SPACING "H"
1'-6"	2	0'-4"	0'-10"	13'-0"	7	1'-0"	1'-10"	1'-9½"
2'-0"	2	0'-5"	1'-2"	14'-0"	7	0'-6"	2'-2"	2'-1½"
2'-6"	2	0'-6"	1'-6"	15'-0"	7	1'-0"	2'-2"	2'-1½"
3'-0"	2	0'-7"	1'-10"	16'-0"	7	0'-6"	2'-6"	2'-5½"
4'-0"	2	0'-11"	2'-2"	17'-0"	7	1'-0"	2'-6"	2'-5½"
5'-0"	2	1'-3"	2'-6"	18'-0"	9	0'-4"	2'-2"	2'-1½"
6'-0"	3	0'-10"	2'-2"	19'-0"	9	0'-10"	2'-2"	2'-1½"
7'-0"	3	1'-0"	2'-6"	20'-0"	9	1'-4"	2'-2"	2'-1½"
8'-0"	4	0'-9"	2'-2"	21'-0"	9	0'-6"	2'-6"	2'-5½"
9'-0"	4	1'-3"	2'-2"	22'-0"	9	1'-0"	2'-6"	2'-5½"
10'-0"	4	1'-3"	2'-6"	23'-0"	11	0'-8"	2'-2"	2'-1½"
11'-0"	5	1'-2"	2'-2"	24'-0"	11	1'-2"	2'-2"	2'-1½"
12'-0"	5	1'-0"	2'-6"					

NOTES: FOR F, G & H. SEE DETAILS ON SHEET 1.



Typical Post Spacing